TOP DAWG DUAL DVR DASH CAM Instruction Manual

(PART #: TDDCAMDUAL)

Congratulations on your purchase!

Please read and understand all instructions before you use your device. If you do not use device properly and follow all instructions, the warranty can be voided.

Using Micro SD card

1) **BEFORE YOU INSERT BATTERY OR CHARGER**, insert the included 8 GB SD card (supports up to 32 GB SD Card) into SD Card slot until it clicks into place.
2) To remove micro SD Card, **MAKE SURE DASH CAMERA IS OFF**, depress the SD card lightly and the SD Card will eject partially, allowing you to remove SD Card.
3) If Dash Cam does not have SD Card in the SD slot, the screen reads “No Card”.

Please Note*:*

- **DO NOT INSERT CARD WITH POWER ON**. This will damage the SD Card, the Dash Camera, or both.
- If the SD Card is inserted incorrectly, it will damage the device and/or memory card.
- The device will recognize memory card automatically after the card has been inserted.

Product Features

Video	1280x720@30fps, MOV (Front/Internal cam) 720x480(D1)@30fps, MOV (Back/External cam)
Photo	2.0 Mega-pixel, JPEG
Codec	H.264
OSD Language	English, Russian, Simplified Chinese and many more.
Display	2.0-inch LCD
Storage	MicroSD card (8 GB SD Micro SD Card included, supports up to 32 GB Micro SD Card) **Dash Camera supports FAT 32 Only**
Battery	Rechargeable 500mAh li-ion battery
Viewing Angle	120 degree (front) + 160 degree (back)
Motion Detect	Yes
G-sensor	Yes
GPS	No
Input / Output	Mini USB port, AV-IN, AV-OUT
Dimension	(LxWxH) 89x58x28mm

The number of shots & time of video recording:

Micro SD Card	1280*720 (720P)	848*480 (D1)	640*480 (640)	1280*1024 (1.3M)	1600*1200 (2M)	2048*1536 (3M)	2592*1944 (5M)
16G	240 min	240 min	260 min	12160(pcs)	11520	10960(pcs)	9440(pcs)
8G	120 min	120 min	140 min	6080(pcs)	5760	5530(pcs)	4720(pcs)
4G	60 min	60 min	80 min	3040(pcs)	2880	2760(pcs)	2360(pcs)
2G	30 min	30 min	50 min	1520(pcs)	1440	1380(pcs)	1180(pcs)
1G	15 min	15 min	30 min	760(pcs)	720	690(pcs)	590(pcs)

Please Note: The length of recording will vary depending on device settings and type and size of SD Card used.

Charging:

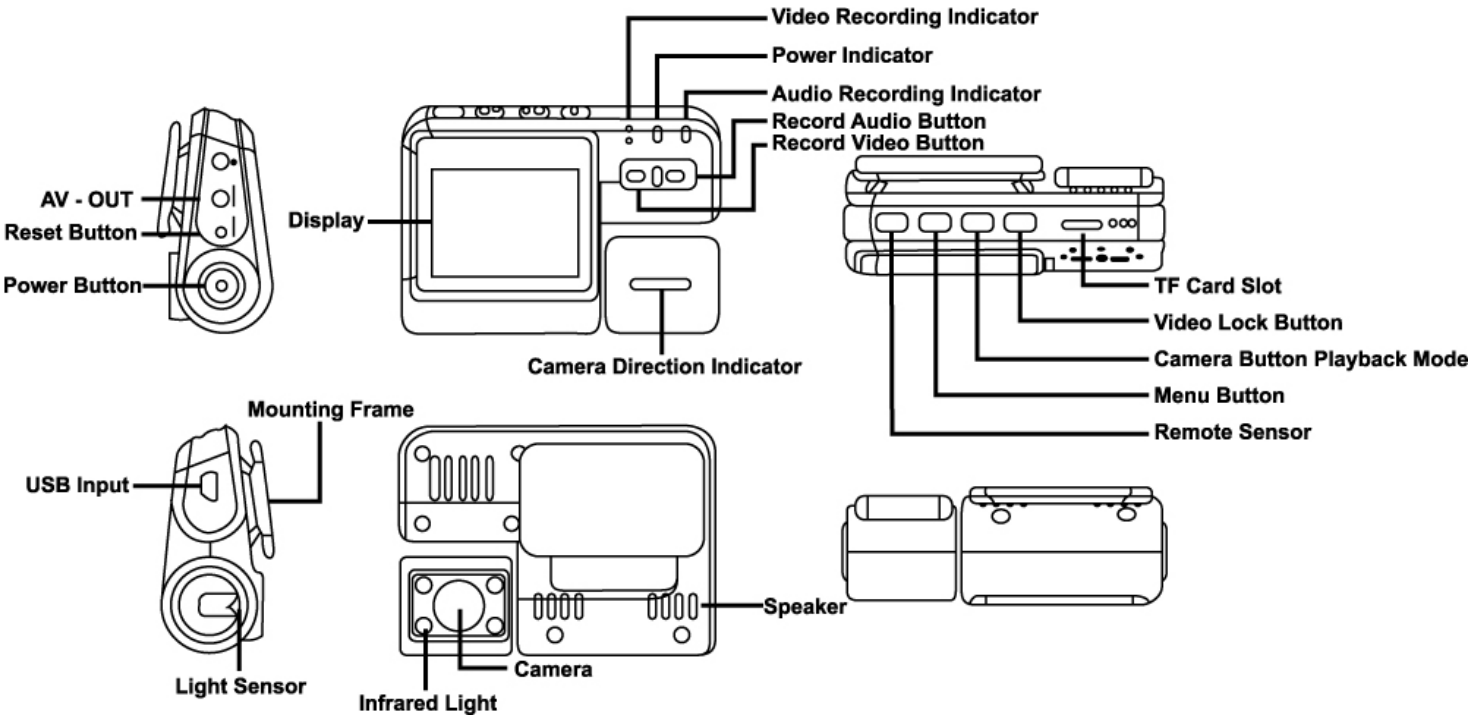
The device has a built-in rechargeable battery. It is strongly recommended to fully charge battery and use device until battery is completely reduced 3 times to maximize full battery power.

1) Charging time: 3-6 hours.
2) Connect the device to a computer/laptop via included mini USB charging cable.
3) Plug the device into the provided DC/Car charging cable

Caution:

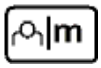
- With low battery, the unit will enter into power saving mode. Please charge the battery fully to ensure proper functionality of the device.

Instruction of Buttons



Functions of Buttons

1) Power Button – Function: Turn Unit On/Off
    a. To power on the Dash Camera, press the “Power Button” for 3 seconds. Video recording automatically start when Dash Camera is turned on.
    b. To power off the Dash Camera, press the “Power Button” for 3 seconds. Last video will be saved before the Dash Camera switches off.

2) Menu Button/Display Control Button – Function: Display On/Off, Menu 
    a. Display can be switched off and on be pressing the “Menu” button for 3 seconds. Switching on or off the display does *not affect video recording*

    Function: Enter Menu
    b. To enter menu and setting, shortly press the “Menu” button under standby mode. Press the page up/down buttons (REC/MIC) for moving in menus; Press the Dash Camera Emergence button to confirm/select. Shortly press the “Menu” button to exit.
    Caution: same to enter Menu setting under Video Mode, Photo Taking Mode and Play back Mode.

3) Photo Mode / Dash Camera Playback Button – Function: Photo Taking
    a. To enter photographic mode, shortly press the “Camera” button under standby. Press the same button to take photos.
    b. Function: Playback – To enter playback mode press the “Camera” button for 3 seconds. Press the up/down buttons (REC/MIC) to select images and videos, press “Camera” button again to play the selected video. To exit playback mode, press the “Camera” button for 3 seconds.
    c. Function: Play/Pause – Under playback mode, press camera button to play/pause a video.

4) Emergence Video Lock Button: Function: Video Locking
    a. If collision occurs during recording, shortly press the emergence button to protect valuable video evidence. Ten seconds of previous footage will be saved and extended for an extra 2o seconds recording. To unlock video, shortly press the emergence button again. *This video will not be overwritten during loop recording.*

5) Movement Detection On/Off:
    a. To switch on movement detection, press the emergence button under standby for 2 seconds. Press it again for 2 seconds to turn off the movement detection. *Note: Emergence button functioned as confirm/ok button under menu interface.*

6) Switching of Dash Cameras
    a. When second camera is plugged in an icon of the second camera will be displayed. This icon means the external Dash Camera has been connected.
    b. Pressing the “Emergence” button momentarily switches the display from the front Dash Camera to the External Dash Camera.

7) Activate Video Recording

    a. To start vide0 recording, shortly press REC button under standby mode (2nd Blue LED will begin to blink). Press it again to stop recording (2nd Blue LED will stop blinking).
    b. Function: Move up – REC button functions as a directional under the menu and the playback interfaces.
    c. Function: Non Invert Display – To non-invert the display, press the REC button 2 seconds.

8) Audio Recording On/Off

    a. Shortly press the MIC button to turn off/on audio recording.
    b. Function: Move Down - MIC button functions as a directional button under the menu and the playback interfaces.

c. Function: Invert Display - To invert the display, MIC button for 2 seconds.

9) Reset Button

a. In the times you may be experiencing trouble with your device, please restart device by shortly pressing the reset button located next to the “Power button”.

Installation Instructions

1) Shut vehicle engine off.
2) **With power off**, Insert the Micro SD card into the slot of the device.
   a. We suggest using class 6 or above micro SD card for the DVR Dash Camera and no less than 512 MB. The device will support up to 32 GB SD card.
3) Affix the DVR mounting frame on the front window.
   a. Please clean the window before placing mounting frame. Dirt and trace amounts of water will in less than effective suction to window.
4) Plug in charger into the car charger plug.
5) Connect car charger to the DVR Dash Camera USB input

with charging/data cable.
6) Place external camera at the back of the car, mind the direction of the view from the external Dash Camera. Cable can be laid across the seats to the DVR Dash Camera in the front. Connect external Dash Camera using the AV cable and into the Das Cameras AV-IN port.
7) Adjust camera position to ensure the line of sight is perpendicular to the ground.
8) Starting engine, check if DVR Dash Camera has been installed correctly.
   a. If DVR Dash Camera has been installed correctly, device will enter video recording mode automatically when engine starts. Please check the screen display, if it is up side down, invert/non-invert the display with REC/MIC button.

Operating Instructions

1) Automatically Recording Function
   a. Video recording starts automatically when engine turns on, video recording indicator/audio recording indicator starts flashing (2nd blue LED). After engine is shut down, video recording stops automatically after 12 seconds, saving latest video and then powers off. Recorded videos have been saved in TF card.
   b. Video length can be set in “RT” menu, 1/2/5 minute video increments can be set, default setting is 1 minute.
   c. Video resolution can be set in menu, HD720P and VGA. Default setting is HD720P.
   d. DVR Dash Camera and External Dash Camera video store on SD card in either “DCIMA” or “DCIMB” folders.
2) Manually Recording Function
   a. To start up DVR Dash Camera, press power button for 3 seconds. Video recording starts automatically. Video/Audio recording indicator starts flashing. To shut down DVR Dash Camera, press power button for 3 seconds, last video will be saved automatically before powering off.
3) Photographic Mode
   a. To enter photographic mode, shortly press “Camera” button. In the upper left corner of the display, notice that the Movie Camera icon has changed into an icon of a Picture Camera. Shortly press “Camera” button to take a photo. To switch back to video recording mode, press the “REC” button.
4) Motion Detection
   a. To enter Motion Detection, press emergence button for 2 seconds. Under Motion Detection mode, DVR DASH CAMERA records automatically when the camera senses movement. DVR DASH CAMERA enters into standby mode when no moving objects are detected. To exit Motion Detection, press Emergence button for 2 seconds.
   b. Default setting of Movement Detection is off.

5) Display invert and non invert
    a. This DVR Dash Camera can be rotated 300 degrees. Screen displays upside down when Dash Camera has been rotated 180 degrees.
    b. If you notice display is not oriented correctly, press MIC button or REC button for 3 seconds to invert it or non-invert it.
    c. Setting of display has been saved automatically after powering off.
6) G-Sensor
    a. If a collision is detected during recording, DVR Dash Camera displays a sign of a lock, which records 10 seconds of previous footage and the next 20 seconds automatically as a special video. This video will not be covered during loop-recording.
    b. Saved “Locked” video files will start with “ZW”, while normal videos named start “AW”.
    c. Sensitivity of G-Sensor is adjustable; default setting is "middle".
7) Video Locking by One Button
    a. Video locking is to prevent important video/picture evidence from being overwritten by loop recording. To lock a video, press the Emergence button while recording. Current video will save previous 10 seconds and next 20 seconds recording.
8) Date and Time Setting
    a. Select the “Date and Time” in the “Settings” menu using the up/down buttons (REC/MIC). Shortly press emergence button to confirm selections and press the Menu button to save settings and exit Date and Time.
    b. The correct Time and Date in evidence video is critical, please adjust the time and date correctly.
9) Audio On/Off by One Button
    a. To record without sound, shortly press MIC button. The microphone sign at the bottom of the display will show a circle around it with a line through it, which means MIC has been switched off. Press the MIC button again and the microphone will disappear and sound will be restored to recordings.
10) U Flash Mode
    a. Connect DVR Dash Camera to PC with provided Data/USB cable. DVR Dash Camera will display: USB Disk, PC Camera, REC Mode. Select options by using up/down buttons (REC/MIC). To enter U Flash Mode, select USB_Disk and confirm with emergence button
    b. Once PC detects DVR Dash Camera, select “Open Folder to View Files”. Follow the DCIM folders to find desired videos or pictures.
11) Playback
    a. To enter playback mode, press Camera button for 2 seconds. Select videos or images by using up/down buttons (REC/MIC). Shortly press Camera button to play video or view picture. To exit play back mode, press Camera button for 2 seconds.

Specifications

Dash Camera	1.2 Million Pixels
External Camera	D1, 720x576
Viewing Angle	120 degree angle
Video Pixel	HD1280x720, VGA 640x480
Photo Pixel	2048x1536
Video Frame Rate	30FPS
Storage Temperature	-20 C – 60 C
Temperature	-10 C – 60 C
Operating Humidity	15% - 65% RH
Memory	Supports TF Card 512 MB – 32 GB
Adapter	DC5V

Troubleshooting

1) Cannot record?

   Confirm the memory card is inserted properly and there is enough free space on the memory card to record. Also confirm that the unit has enough battery or is plugged into power source.

2) What if the image doesn't properly display on the TV?

   Use the included AV cable to connect the device to a TV. Be sure to fully insert the AV cable plug into the TV's video terminal.

3) Image is blurred?

   Use a clean, soft lens-cleaning cloth to gently clean the lens.

4) If the device stops functioning or crashed: switch off the electricity or take out the battery to reset.

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Limited Warranty

What warranty covers: Manufacturer warrants to original purchaser that the product finished hereunder shall be free from defects in material and workmanship under normal use and service. In the event of any defect in material or workmanship, the Manufacturer will for twelve (12) months from the date of delivery of product to purchaser, F.O.B. point of origin replace any defective parts in respect to the product or replace the product with new or like new product at Manufacturers option. In the event of a defect, return the product in tact to the Manufacturer (shipping to Manufacturer will be paid by purchaser) with evidence of purchase date within last 12 months for proper handling of the warranty claim.

What is Not Covered:

- Defects or damage resulting from use of products in other than it normal and customary manner
- Defective or damage from misuse, accident, water or neglect
- Scratches or cosmetic damage that does not affect operation of the product
- Product damage or bodily injury
- **Contact TD to purchase extended replacement warranty**

General Provisions: This warranty is given in lieu of all other express warranties, implied warranties, including without limitation, implied warranties or merchantability and fitness for a particular purpose, are limited to the duration of this limited warranty, in no event shall the Manufacturer or seller be liable for damages in excess of the purchase price of the product

This device may not be used to violate the privacy rights of others. In no way will Top Dawg Electronics or its subsidiaries or partners be held responsible for inappropriate use of this product. It is the sole responsibility of the buyer to consult legal counsel for the interpretation of any laws applicable to the area of intended use of these products.

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